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[54] **PREFABRICATED CONCRETE STORAGE TANK**

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[57] **ABSTRACT**

PURPOSE: To facilitate the highly strong and highly safety construction by dividingly forming a prefabricated unit by a footing part for a side wall lower part and a bottom plate outer circumferential part, a body part for the side wall middle part, and a body upper part for the ring beam part of the side wall upper end part, and connecting the whole assembled prefabricated unit by tension materials.

CONSTITUTION: A low temperature liquefied gas such as LPG and LNG is received in an inner tank, and an outer tank consisting of concrete is formed on the outer circumference through a cold insulating layer and a seal metal. The concrete outer tank is constructed by assembling a prefabricated unit consisting of a footing part 4 in which a bottom outer circumferential part and a side wall lower part are integrated, a body part 5 for forming a straight body part for the side wall middle part, and a body upper part 6 for forming the ring beam part of the side wall upper part, and connecting the whole body by tension materials. Consequently, in-site regulation of bar arrangement quantity is not required, and the constructing period is shortened. Further, as the unit body is horizontally and vertically fastened and connected with a required tension by the tension materials, a highly strong storage tank side wall can be constructed.

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